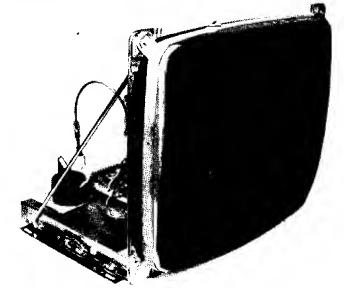
wells-gardner **electronics CORPORATION**

BLACK AND WHITE TV MONITORS



MODELS V1001—CHASSIS ONLY

19V1001-19" CRT 22V1001-23" CRT

SERVICE MANUAL AND PARTS CATALOG

GENERAL INFORMATION

The video display monitor is intended for the video game market. There are two models available and only differ in picture tube size and CRT mounting.

The main sections of the monitor are the power supply section. video section and vertical and horizontal deflection circuitry. AC power and composite video information are fed to the monitor through a 12 pin receptacle located on the rear panel

A major part of the circuitry is located on a plug-in circuit board. A voltage regulator transistor and horizontal deflection transistor are mounted on the metal chassis which also serves as a heat sink for these devices.

Component reference numbers and circuit legend are printed on the circuit board to aid in servicing

The picture tube is securely mounted to the chassis by brackets to create the complete unit. The picture tubes used all have implosion protection.

Rear panel controls include contrast, brightness, vertical hold, horizontal hold and width control. Additional service controls are mounted on the circuit board, and are accessible from the rear of the chassis.

FLECTRICAL SPECIFICATIONS

Power Rating: 58 watts nominal

Source: 100/120/230V AC @ 50/60 Hz voltage tap selected

Video Input: 0.5 to 2.5 volts P/P composite + (sync. negative)

CAUTION

NO WORK SHOULD BE ATTEMPTED ON ANY EXPOSED MONITOR CHASSIS BY ANYONE NOT FAMILIAR WITH SERVICING PROCEDURES AND PRECAUTIONS.

WELLS-GARDNER ELECTRONICS CORPORATION 2701 NORTH KILDARE AVENUE CHICAGO, ILLINOIS 60639 312-252-8220

IMPORTANT SERVICE NOTES

Work on these models should only be performed by those who are thoroughly familiar with precautions necessary when working on high voltage equipment.

Exercise care when servicing this chassis with power applied. Many B plus and high voltage RF terminals are exposed which, if carelessly contacted, can cause serious shock or result in damage to the chassis. Maintain interconnecting ground lead connections between chassis and picture tube dag when operating chassis.

Certain HV failures can increase X-ray radiation. Monitors should not be operated with HV levels exceeding the specified rating for their chassis type. The maximum operating HV specified for the chassis used in these monitors is 17KV ** 1KV at zero beam current with a line voltage of 120V AC and B+ adjusted for 73V DC. Higher voltage may also increase possibility of failure in HV supply.

It is important to maintain specified values of all components in the horizontal and high voltage circuits and anywhere else in the receiver that could cause a rise in high voltage, or operating supply voltages. Refer to the Parts List and use ONLY exact replacement parts; especially picture tubes, semiconductor devices, transformers, coils, tuses and circuit breakers.

To determine the presence of high voltage, use an accurate high impedance, HV meter connected between second anode lead and metal chassis frame only. When servicing the High Voltage System, remove static charge from it by connecting a 10K ohm resistor in series with an insulated wire (such as a fest probe) between picture tube dag and 2nd anode load. (AC line cord disconnected from chassis.)

The picture tube used in this monitor employs integral implosion protection. Replace with tube of the same type number for continued safety. Do not lift picture tube by the neck Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely. Keep others without shatter proof goggles away.

Before returning the monitor to user, perform the following safety checks:

- Inspect all lead dress to make certain that leads are not oinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
- Replace all protective devices such as non-metallic control knobs, insulating fishpapers, adjustment and compartment covers or shields.
- 3. To be sure that no shock hazard exists, a check for the presence of leakage current should be made at each exposed metal part in the following manner:

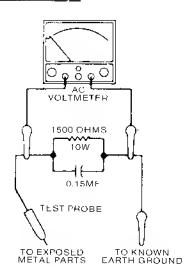
Plug the AC line cord directly into a 120 VAC receptacle. (D0 not use an Isolation Transformer during these checks.) All checks must be repeated with the AC line cord plug connections reversed. The chassis ground return lead should not be connected for this test.

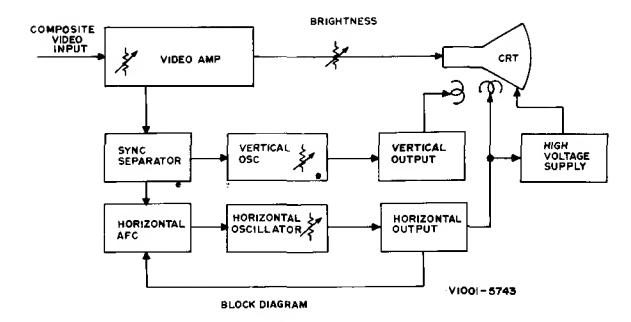
If available, measure current using an accurate loakage current tester, (Use Standard Equipment Item No. 21641.) Any reading of 0.5 MA or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.

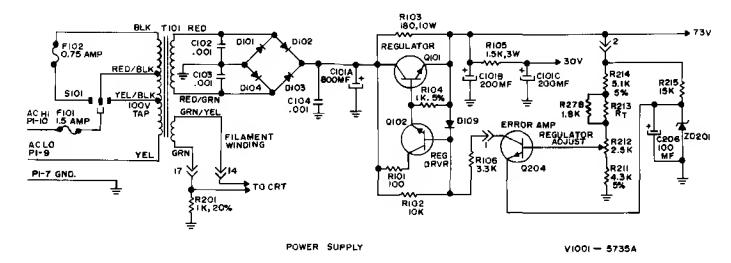
If a reliable leakage current tester is not available, this alternate method of measurement should be used. Using two clip leads, connect a 1500 ohm, 10 watt resistor paralleled by a 0.15 MF capacitor in series with a known earth ground, such as a water pipe or conduit and the metal part to be checked. Use a VTVM or VOM with 1000 ohms per volt, or higher, sensitivity to measure this AC voltage drop across the resistor. Any reading of 0.75 volt RMS or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.

PRODUCT SAFETY PARTS REPLACEMENT

Many electrical and mechanical parts in video monitors have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified by \bigstar on the Parts List in this Manual and are shown in shaded areas on the Schematic Diagram. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List in this Service Manual may create shock, fire or other hazards.







POWER SUPPLY

The power supply system provides a regulated 73 volt output which supplies the horizontal deflection and vertical deflection circuits. The 73 volt output also supplies current for the 30 volt and 15 volt outputs. The system is designed to reduce output voltage variations due to changes in the A.C. input voltage or changes in output load current.

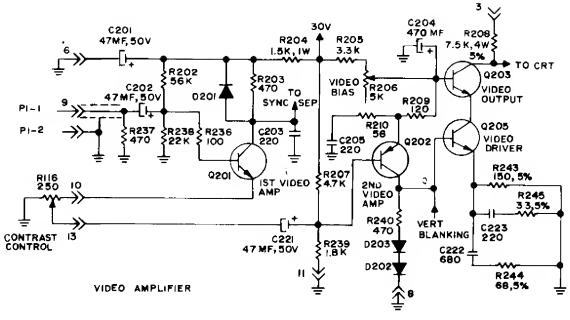
The power supply consists of a transformer operated system utilizing a full wave bridge rectifier to supply the series pass regulator Q101 and its associated current shunt R103. The primary of the power transformer has three input taps to provide operation from any one of three possible A.C. supply lines, namely 100V, 120V or 230V, 50 or 60 Hz. The regulator Q101 is driven by regulator driver Q102. The error amplifier will control the conduction of the cascaded current amplifiers Q101 and Q102.

Protection of the base emitter junctions of both Q101 and Q102, during voltage transients, is accomplished by diode D109.

R213, which is part of the voltage divider in the error amplifier input, is a temperature sensitive device which is used to reduce variations in output voltage at operating temperatures between 0 degree to 55 degree centigrade.

The circuit regulates the output voltage by sampling the output voltage at the base of Q204. Q204 compares this voltage to zener diode reference voltage connected to the emitter of Q204. An increase in the output voltage would cause an error voltage which would instantly be corrected by an increase in conduction of Q204 and a decrease in conduction of Q102 and Q101.

I HEURY OF OPERATION



V1001-5742

VIDEO AMPLIFIER

The video amplifier consists of four stages incorporating active devices Q201, Q202, Q203 and Q205. The first stage Q201 provides two outputs, video drive for the sync separator is developed at the collector and the emitter output is used to drive the following stage Q202

Q203 and Q205 are connected in a cascode arrangement with Q205 being directly driven by Q202. This circuit configuration provides an improved frequency response as compared to a base driven video output amplifier.

SYNC SEPARATOR

The sync separator employs transistor Q206 to recover sync from the composite video signal. The video input to the sync separator is sync positive. C224 is charged by the peak base current that flows when the positive peak of the input drives Q206 into saturation. This charge depends on the peak positive composite video input to C224. The ro time constant of C224 and R217 provides a long discharge time in relation to the horizontal sync interval. The charge on C224 will establish a clip level for Q206 in order to remove the sync information. The output of Q206 contains the inverted and amplified sync pulses for horizontal and vertical synchronization.

PHASE DETECTOR

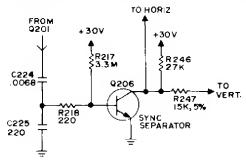
The phase detector is operating with two inputs one from horizontal flyback pulse and one from horizontal sync. The required output must be of correct polarity and amplitude to correct phase differences between the input sync and the horizontal time base. The horizontal collector pulse is integrated into a sawtooth by R216 and C210.

If the horizontal time base is in phase with the sync, net charge on C210 will be zero. (Since the current through D205A and R221 at positive half of sawtooth and the current through D205B and R220 at negative half of sawtooth are equal). If the horizontal time base is leading the sync, the sawtooth on C210 will be clamped at a point positive from its AC axis, resulting in a net negative charge on C210 which is the required polarity to slow the horizontal oscillator. For filtering purposes to eliminate video ringing or hunting, R222, C212, C211, and R225 are added. C208 is added to correct horizontal centering of the picture on the raster.

Diodes D202 and D203 are used to reduce the effects of temperature on the video output amplifier. Diode D201 provides protection from voltage transients for Q201

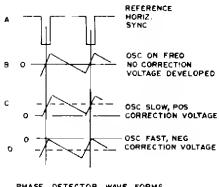
The video bias control is a factory adjustment used to set the quiescent collector voltage of video output amplifier Q203

The video amplifier output is direct coupled to the control grid of the CRT through R113 which is used to isolate Q203 from transients that may occur as a result of CRT arcing



SYNC SEPARATOR

VI001-5745



PHASE DETECTOR WAVE FORMS VIOUI-5747

HORIZONTAL OSCILLATOR

A Hartley type oscillator is used. The operating frequency of this oscillator is sensitive to the base input voltage of Q207. This permits control by the output of the phase detector and also by the setting of the horizontal hold control R108. The horizontal hold range is set by adjustment of the core of L201.

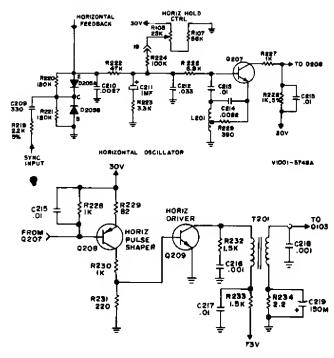
PULSE SHAPER AND HORIZONTAL DRIVER

Q208 serves as a buffer between the oscillator and the driver to provide isolation for the horizontal oscillator as well as a low impedance drive for the horizontal driver.

R228 and C215 form a time constant which shapes the oscillator output to the required 50% duty cycle to drive the horizontal driver stage.

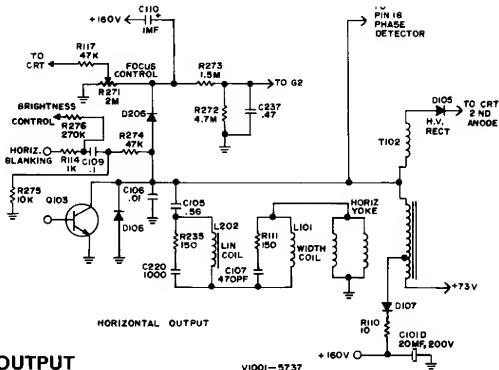
Q209 operates as a switch to drive the horizontal output transistor through T201.

R232 and C216 provide damping to eliminate ringing of the primary of T102 when Q209 goes into cutoff.



PULSE SHAPER & HORIZ, DRIVER

V1001 - 5736



HORIZONTAL OUTPUT

Q103 which operates as a switch, conducts during the period between turn off of damper diode and end of scan. The collector current flows through the flyback and yoke with a ramp waveshape. The maximum level the collector current will reach is determined by the BT voltage, the parallel inductance value of flyback/yoke coils, and the amount of time the horizontal output transistor is switched on, which is approximately 45% of the total horizontal line period. The retrace period occurs immediately after the collector current has been turned off, which was initiated by the reversal of the base current. R234 and C219 form a time constant for fast turn off of the base of Q103. The retrace pulse charges C110 through D206 to provide operating

voltage for G2 of the crt. Momentary transients at the collector of Q103, should they occur, are limited to the voltage on C110 since D206 will conduct if the collector voltage exceeds this value.

The damper diode D106 conducts during the period between retrace and turn on of Q103. C106 is the retrace tuning capacitor. C105 blocks DC from the deflection yoke. L202 is a magnetically biased linearity coil which shapes deflection current for optimum trace linearity. L101 is a series width control. C220 and R235, C107 and R111 are damping network components for the linearity and width controls.

VERTICAL OSCILLATOR DRIVER AND OUTPUT

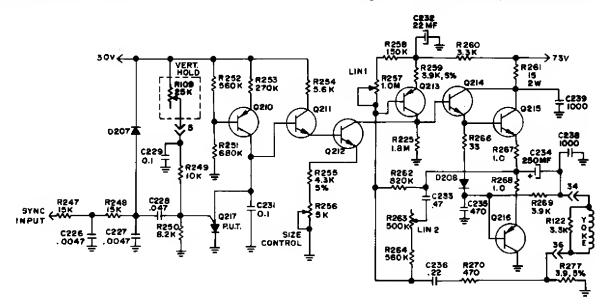
In the oscillator, transistor Q210 acts as a constant current source to charge capacitor C231. Thus, the voltage across C231 increases linearly with time. Capacitor C231 is discharged by the programmable unijunction transistor (put) Q217. Q217 will turn on if the free running frequency of the oscillator which is controlled by the gate voltage level with R109 is close to that of the negative going sync pulses. Q211 serves as a buffer between the oscillator and the amplifier to prevent non linear charging of capacitor C231.

In the amβlifier, Q212 serves as a voltage controlled current source. Q213 acts as a constant current source such that Q214 and Q215 are turned on when the oscillator voltage is low. As the oscillator voltage increases increasing Q212 collector current, decreasing base current of Q214, Q214 and Q215 will be cut off and Q216 will conduct.

Beginning of retrace time zero oscillator voltage cuts off Q212. Q214 and Q215 become biased on and Q216 biased off. However, since current cannot change abruptly through inductive load yoke, suddenly output voltage will increase. Since Q213 is biased through R262, during retrace time high output voltage causes Q213, Q214 and Q215 to cutoff and Q216 to turn on (due to low voltage drop through R269) until the yoke current goes to zero. When the yoke current (output current) reaches zero, the output voltage begins to fall. This causes Q215 to turn on and Q216 to turn off, thus, completing the current reversal.

In order to maintain linearity, and desired s-correction, current feedback is provided by R277, R258, R257 and C236, and second AC feedback is used by R263, R264 and C233.

Height control is achieved by varying the collector current swing in transistor Q212 with potentiometer R258.



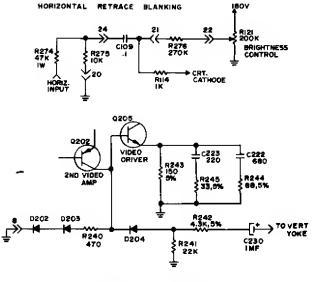
VERTICAL OSCILLATOR DRIVER & OUTPUT

VIOOI-5738A

RETRACE BLANKING

Vertical retrace blanking is accomplised by applying a positive pulse to the base of the video driver Q205. Diode D204 is used to block the sawtooth portion of the vertical wave form. The blanking pulse will appear at the collector of the video output amplifier which is directly coupled to CRT grid.

Horizontal retrace blanking is provided by a positive pulse applied to the CRT cathode. This pulse originates at the collector of the horizontal output device. The pulse amplitude is reduced by voltage divider R274 and R275. C109 is used to couple this blanking pulse to the CRT.

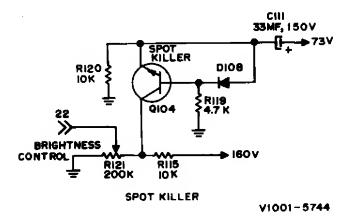


VERTICAL RETRACE BLANKING

SPOT KILLER

Q104 is used to prevent the CRT beam from reaching a spot when the unit is turned off. Q104 is in a non conducting state when the monitor is in operation.

The circuit operates by allowing C111 to charge to the 73V supply voltage when the monitor is turned on. C111 will discharge when power is removed from the monitor. Some discharge current will flow through the emitter base of Q104 and R119. Q104 will be in a conducting state and will reduce the positive potential at the CRT cathode. The CRT will increase in beam current during the turn off period to discharge the high voltage system.



VOLTAGE INPUT SELECTOR

This chassis is designed to operate on any one of three input power sources.

Before power is applied to the chassis, the tap selector should be connected to agree with power input which will be applied to the monitor, namely 100V or 120V or 230V AC 50/60 Hz.

The tap selector is located under a protective cover near the power transformer T101.

CIRCUIT TRACING

Component reference numbers are printed on top and bottom of the plug-in circuit board to facilitate circuit tracing. In addition, terminal numbers are also shown and are referenced on the chassis schematic diagram in this manual.

Transistor elements are identified as follows:

E - emitter, B - base, and C - collector.

COMPONENT REMOVAL

Removing components from the etched board is facilitated by the fact that the circuitry (plating) appears on one side of the board only and the component leads are inserted straight through the holes and are not bent or crimped.

It is recommended that a solder extracting gun be used to aid in component removal. An iron with a temperature controlled heating element would be desirable since it would reduce the possibility of damaging the board due to over-heating.

The nozzle of the soldering gun is inserted directly over the component lead and when sufficiently heated, the solder is drawn away leaving the lead free from the copper plating. This method is particularly suitable in removing multi-terminal components.

REGULATOR ADJUSTMENT

NOTE: Misadjustment of the low voltage regulator or the horizontal oscillator may result in damage to the Horizontal Output Transistor or pulse limiter diode. The following procedures are recommended to insure reliable operation.

- 1. Connect monitor to AC line supply.
- Apply test signal to proper input. Siganl should be of same amplitude and sync rate as when monitor is in service.
- Adjust vertical and horizontal oscillator controls until display is synced.
- Connect a DC digital voltmeter or other precision accuracy voltmeter to the emitter of the regulator output transistor, (or any 73 volt test point).
- 5. Adjust the regulator control R212 on circuit board for an output of 73 volts. Do not "run" the regulator control through its range or damage to the monitor may result.
- 6. When adjustment is complete, the AC line supply can be varied between † 10% and 10% of nominal volts to check for proper regulator operation. With regulator operating properly, changes in display size should be negligible.

HORIZONTAL OSCILLATOR ADJUSTMENT

- 1. Set the horizontal hold potentiometer to mid-range (R108).
- 2. Adjust core of horizontal hold coil (L201) until the horizontal blanking lines are vertical.
- 3. Rotate potentiometer (R108) through ite full range. Display should go out of sync in each direction and hold in sync at the center of its range. Retouch L201 as necessary to center the hold range.

THEORY OF OPERATION

VIDEO AMPLIFIER BIAS ADJUSTMENT

Adjust video bias control (R206) for 45 volts DC on collector of video output transistor (Q203) with no signal input.

Disconnect cable from video input jack if necessary to eliminate noise.

POWER TRANSISTOR REPLACEMENT

When replacing any "plug-in" transistor, i.e., the regulator or horizontal output, please observe the following precautions:

- 1. The transistor sockets are not "Captive", that is, the transistor mounting screws also secure the socket. When installing the transistor, the socket must be held in its proper location. This location is indicated by flanges on the socket which fit into the heat sink.
- 2. When replacing the output transistors, silicone grease should be applied evenly to both sides of the mica insulator.
- All transistors mounting screws must be tight before applying power to the monitor. This insures proper cooling and electrical connections.

NON-COMPLIANCE WITH THESE INSTRUCTIONS CAN RESULT IN FAILURE OF THE TRANSISTOR AND/OR ITS RELATED COMPONENTS.

NOTE: Use caution when tightening transistor mounting screws. (Torque 7 to 10 inch lbs.). If the screw threads are stripped by excessive pressure, a poor electrical and mechanical connection will result.

CRT REPLACEMENT

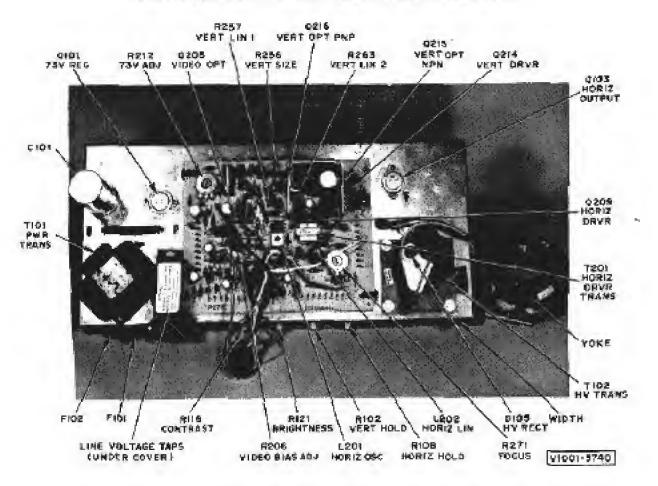
Use extreme care in handling the CRT as rough handling may cause it to implode due to atmospheric pressure. Do not nick or scratch glass or subject it to any undue pressure in removal or installation. Use goggles and heavy gloves for protection.

- 1. Discharge CRT by shorting 2nd anode to ground. Remove CRT socket, yoke and 2nd anode lead.
- 2. Remove CRT from chassis by removing four screws at corners.

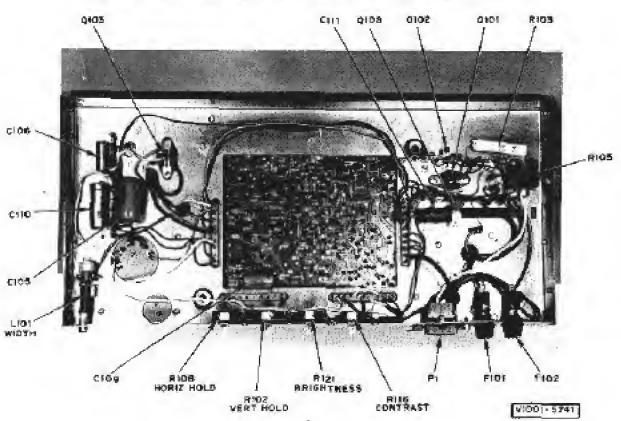
PANEL REMOVAL/ INSTALLATION

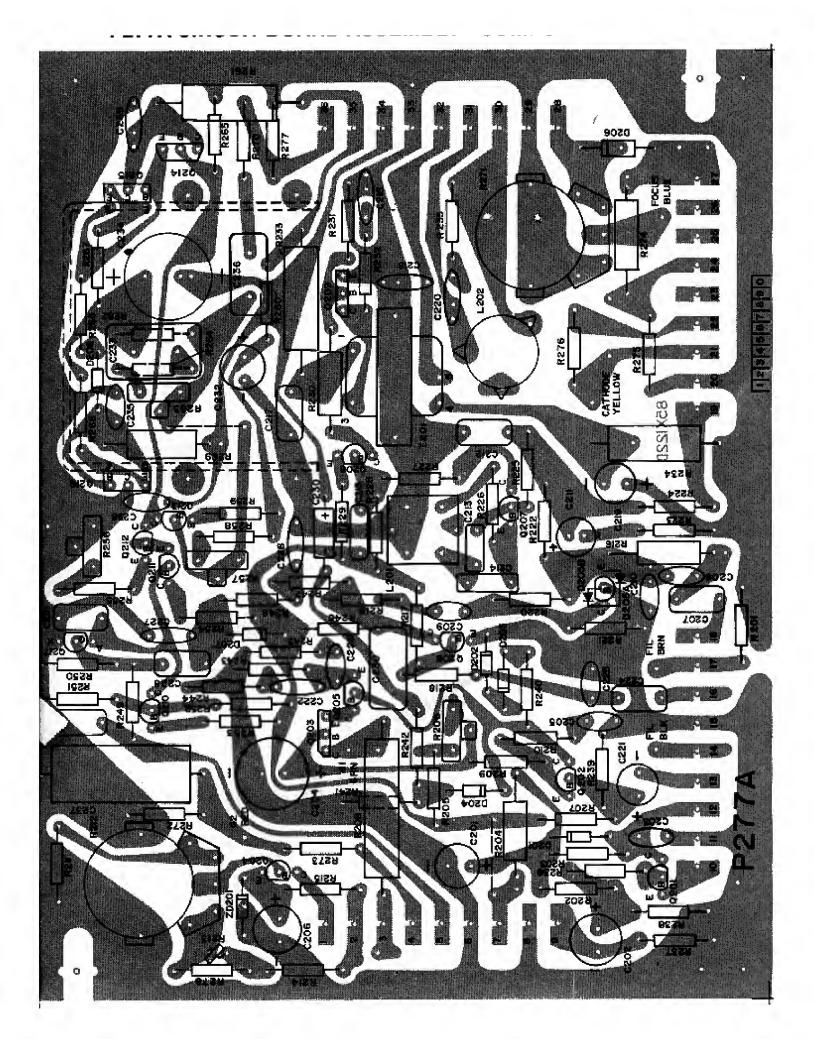
To prevent damage to the board or foil when removing the circuit board it may be necessary to pry up slowly, IN STAGES around the edges. Start at one corner and move all around the board keeping the screwdriver tip against the chassis. When installing, apply pressure at the edges near the pins. Do not force down on the components.

COMPONENT LOCATION—TOF CHASSIS

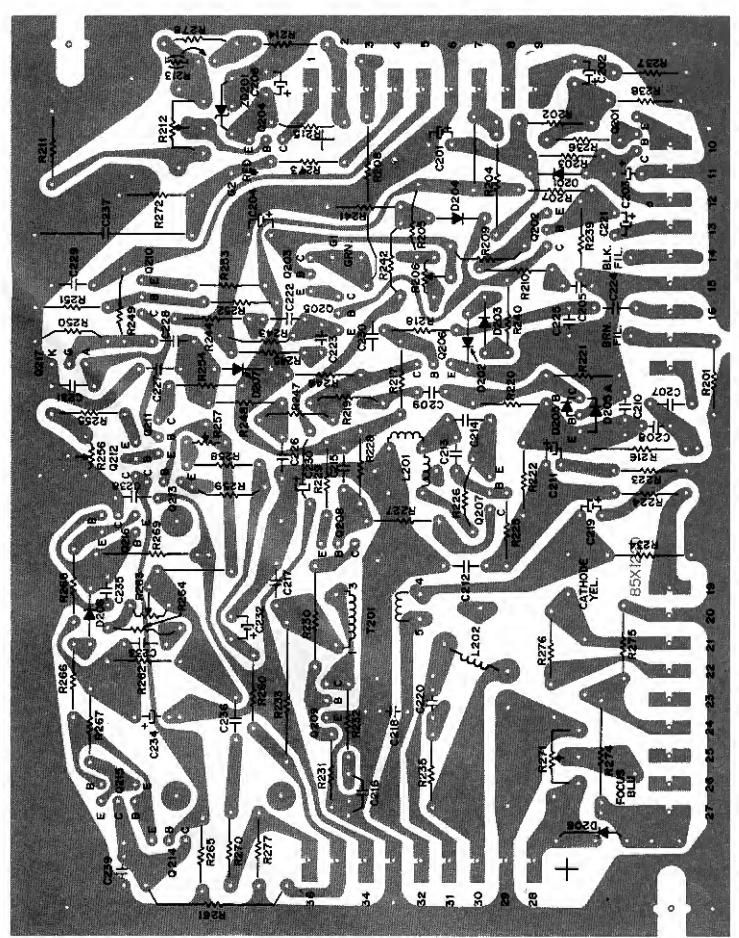


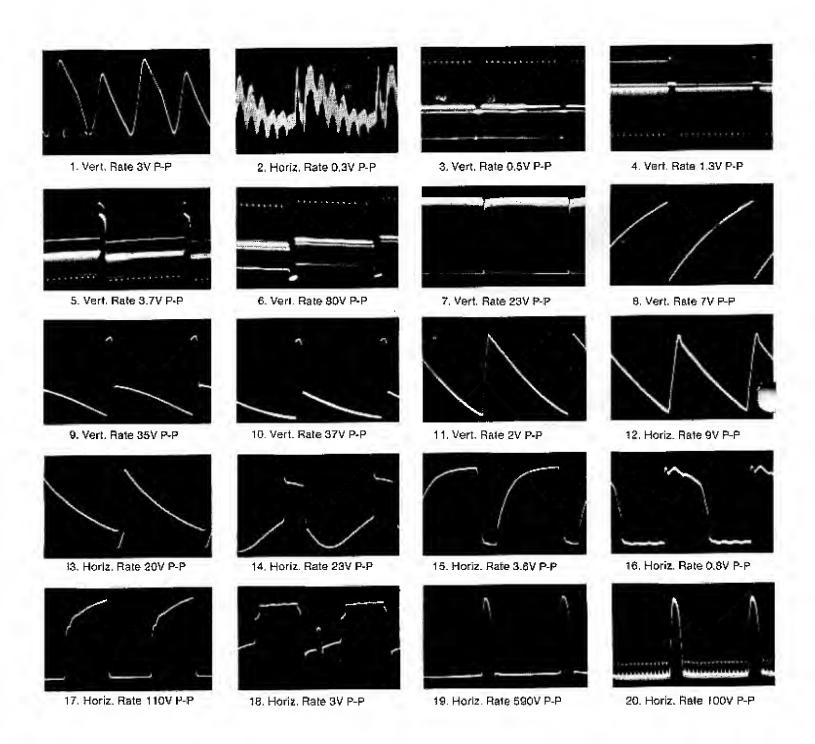
COMPONENT LOCATION—BOTTOM CHASSIS





PZITA CINCUIT BUAND ASSEMBLT - WINING SIDE

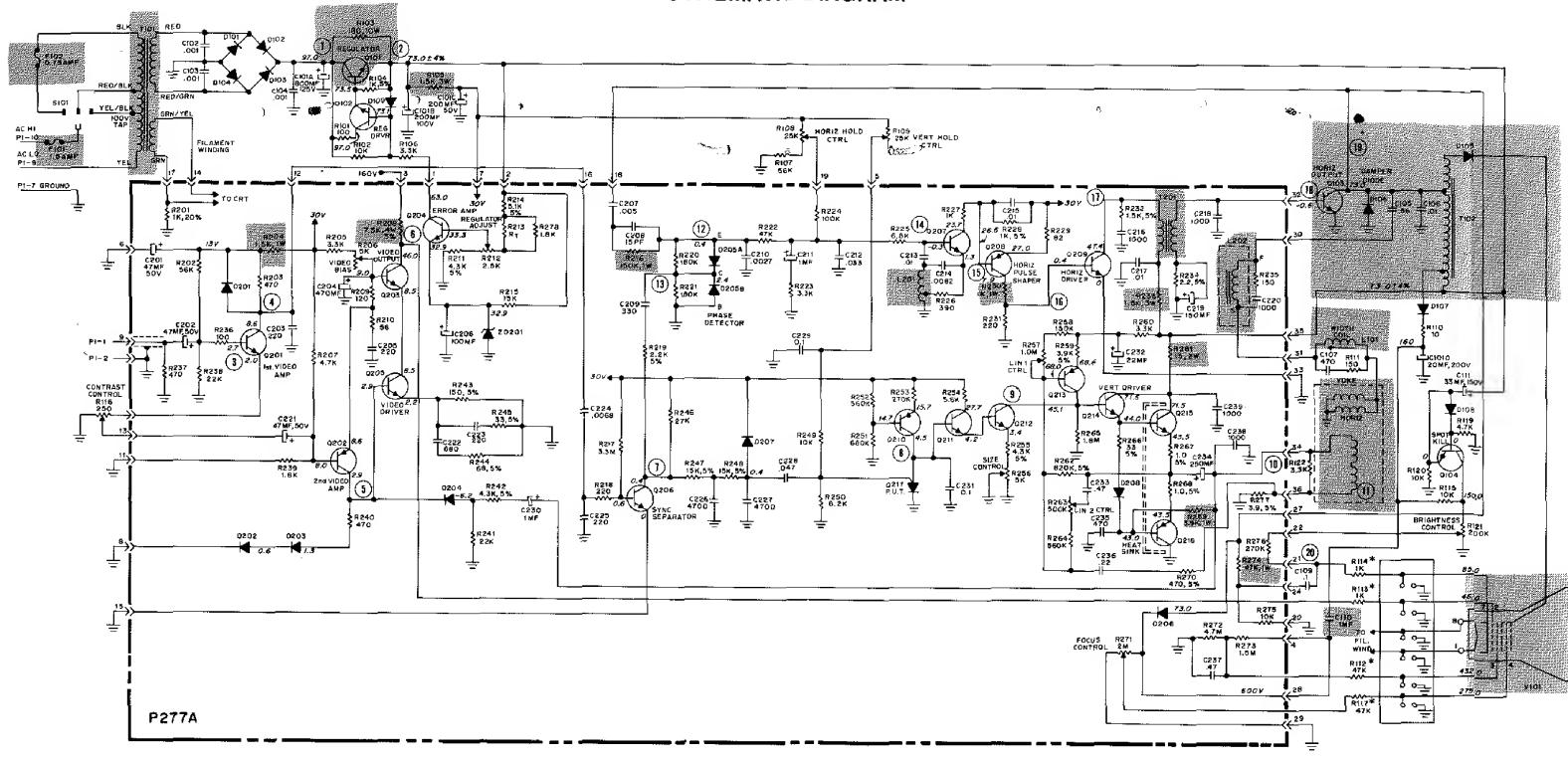




WAVEFORM MEASUREMENTS:

TAKEN FROM POINT INDICATED TO CHASSIS WITH A WIDE BAND OSCILLOSCOPE SYNCED NEAR SWITTER INDICATED. INPUT SIGNAL 0.5V P-P COMPOSITE VIDEO N.T.S.C. SYSTEM, CONTROL POSITIONS AND THE SAME AS THOSE USED IN D.C. VOLTAGE MEASUREMENTS.

SCHEMATIC DIAGRAM



NOTES:

- I. VOLTAGE MAY VARY WITH CONTROL SETTING.
- 2. LINE VOLTAGE MAINTAINED AT 120VAC, 50/60 Hz.
- 3. ALL D.C. VOLTAGES \$10% MEASURED FROM POINT INDICATED TO CHASSIS USING HIGH IMPEDANCE METER WITH NO SIGNAL INPUT. CONTRAST AND BRIGHTMESS CONTROLS AT MAXIMUM; ALL OTHER CONTROLS IN NORMAL OPERATING POSITION.
- 4. WITH INTERNAL NUMBER INDICATES LOCATION OF WAVE FORM READING.

PRODUCT SAFETY NOTICE:

PARTS IDENTIFIED BY SHADING
ARE SAFETY CRITICAL COMPONENTS.

REPLACE ONLY WITH SAME TYPE
PARTS SHOWN IN PARTS LIST.

NOTES:

- * (NDICATES RESISTORS LOCATED IN PICTURE TUBE LEAD ASSEMBLY.
- RESISTANCE VALUES IN OHMS, 1/2 WATT, 10% UNLESS
 OTHERWISE NOTED, K-1,000 M-1,000,000
- CAPACITANCE VALUES OF 1 OR LESS ARE IN MICROFARADS, ABOVE 1 IN PICOFARADS UNLESS OTHERWISE NOTED.

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CHASSIS PARTS

CAPACITORS

ON NOTION						
C101A, B, C, D	45X0558-001	800 μF/125V, 200 μF/100V 200 μF/50V, 20 μF/200V Electrolytic				
C102, 103 104 ★C105 ★C106 C107 C109 ★C110 C111	80X0001-000 342X5642-049 46X0536-011 80X 99-006 342X1044-040 46X0540-002 45X0515-032	.001 μF, GMV Z5U Cer. Disc. .56 μF, 400V, 10% Polypropylene .01 μF, r200V, 5% Polypropylene 470 pF, Z5F, 10% 0.1 μF, 400V, 20% Mylar 1.0 μF, 630V, 10% Polyester Film 33 μF, 150V, Electrolytic				
CONTROLS						
R108, 109 R116 R121	40X0585-091 40X0585-090 40X0585-092	25k Ohm, Horiz. & Vert Hold 250 Ohm, Contrast 200k Ohm, Brightness				
COILS & TRANSFORMERS						
★L101 ★T101 ★T102	9A2787-001 53X0475-001 53X0474-001	Coil, Width Transformer, Power Transformer, Flyback				
RESISTORS						
R101 R102, 115, 120 *R103 R104 *R105 R106, 122 R107 R110 R111	340X3101-941 340X3103-941 340X0181-341 340X3102-931 340X6152-341 340X3332-941 340X3563-941 340X3100-941 340X3151-941	100 Ohm, 10%, 1/2W 10k Ohm, 10%, 1/2W 180 Ohm, 10%, 10W, WW 1k Ohm, 5%, 1/2W 1.5k Ohm, 10%, 3W, WW 3.3k Ohm, 10%, 1/2W 56k Ohm, 10%, 1/2W 10 Ohm, 10%, 1/2W 150 Ohm, 10%, 1/2W				
R112, 113, 114, 117 R119	340X3472-941	Part of 38A5395-000 Pix Socket and Connector Assy. 4.7k Ohm, 10%, 1/2W				
SEMICONDUCTORS						
D101, 102 103, 104 ★D105 ★D106 D107 D108, 109 ★Q101 Q102	66X0023-009 66X0067-001 66X0068-001 66X0069-001 66X0046-001 86X0117-001 86X0071-001	Rectifier, Silicon 500V 1N444B Rectifier Varo H1802 Diode, Damper MR1-1600 Diode, 250V HS Diode, Silicon FDH444 Transistor (NPN) 2N5632 Regulator Transistor (NPN) Reg. Driver MPSA06				
★ Q103	86X0118-001	Transistor (NPN) BU207 Hor. Output				
Q104	86X0065-001	Transistor (NPN) D40N5 Spot Kill				
		NEONO				

MISCELLANEOUS

	16X0171-001	Fuse Holder
★ F101	16X0176-001	Fuse, 1.5 Amp. Slo-Blo 3AG
★F102	16X0175-001	Fuse, 0.75 Amp, Slo-Blo 3AG
*	13X1201-001	HV Lead & Recept. Assy.
	28X0789-001	Spring, Dag, Grounding
*	9A2786-001	Deflection Yoke & Clamp
★ V101	19VARP4	CRT (19V1001)
or	or	
★ V101	22VATP4	CRT (22V1001)

FEAVERIER LATITUEOU P277A CIRCUIT BOARD ASSY.

CAPACITORS

RESISTORS (Cont'd.)

C201, 202,			R220, 221	340X3184-944	180k Ohm, 10%, 1/2W
221	45X0524-027	47 μF, 50V, Electrolytic	R222	340X3473-944	47k Ohm, 10%, 1/2W
C203, 205,		The foot fundamental			100k Ohm, 10%, 1/2W
	90V0000 0E7	200 pE 109 ZEC Cor Dies	R224	340X3104-944	
223, 225	80X0099,057	220 pF, 10%, Z5F, Cer. Disc.	R225	340X3882-944	6.8k Ohm, 10%, 1/2W
C204	45X 652 4- 35 3	470-F, 16V, Electrolytic	R226	340X3391-944	390 Ohm, 10%, 1/2W
C206	45X0524-051_	100 μF, 50V, Electrolytic	R227	340X3102-944	1k Ohm, 10%, 1/2W
C207	80X0099-192	.005 μF, 20%, 1KV, Cer. Disc.	R228	340X3102-934	1k Ohm, 5%, 1/2W
C208	80X0099-015	15 pF, 10%, 500V, Cer. Disc.	7929	340X3820-944	82 Ohm, 10%, 1/2W
C209	80X0099-013	830 pF, 10%, 500V, Cer. Disc.			
C210		0027 μF, 10%, Mylar	★R23 0	► 340X4102-843	1k Ohm, 10%, 1.0W
	4EV0E04.000	10027 AFV Florenships	R232	340X3152-934	1.5k Ohm, 5%, 1/2W
C211	45X0524-023	1.0 µF, 15V. Electrolytic -	★ R233	340X6152-743	1.5k Ohm, 10%, 3.0W
C21	349X3332-109	.033 μF, Mylar	R234	340X5022-333	2.2 Ohm. 5%, 2.0W
C213	48X0541-001 .	O1-μF, Poly	R235	340X3151-944	150 Ohm, 10%, 1/2W
, C214 -2	46X0541-002	.0082 μF, Poly	R236	340X3101-944	100 Ohm, 10%, 1/2W
G215	349X1032-109	.01 μF, 10%, 100V Mylar			22k Ohm, 10%, 1/2W
C216, 218,	0.071,002.100	101 pt , 10/0, 1001 mylar	R238, 241	340X3223-944	
			R239	340X3182-944	1.8k Ohm, 10%, 1/2W
220, 238,	2242222	1000 5 100 5001 0 0	R243	340X3151-934	150 Ohm, 5%, 1/2W
239	80X0099-076	1000 pF, 10%, 500V, Cer. Disc.	R244	340X3680-934	68 Ohm, 5%, 1/2W
C217	349X1032-209	.01 μF, 10%, 200V, Mylar	R245, 286	340X3330-934	33 Ohm, 5%, 1/2W
C219	45X0524-052	150 μF, 10V, Electrolytic	R246	340X3273-944	27k Ohm, 10%, 1/2W
C222	80X0099-137	680 pF, 10%, 500V, Cer. Disc.			
C224	349X6822-109	.0068 μF, 10%, 100V, Mylar	R247, 248	340X3153-934	15k Ohm, 5%, 1/2W
C226, 227	80X0099-056	4700 μF, 10%, 100V, Mylar 4700 μF, 10%, 500V, Cer. Disc.	R249, 275	340X3103-944	10k Ohm, 10%, 1/2W
			R250	340X3B22-944	8.2k Ohm, 10%, 1/2W
C228	349X4732-109	.047 μF, 10%, 100V, Mylar	R251	340X3684-944	680k Ohm, 10%, 1/2W
C229	349X1044-109	0.1 μF, 20%, 100V, Mylar	R252, 264	340X3564-944	560k Ohm, 10%, 1/2W
C230	45X0515-014	1.0 μF, 50V, Electrolytic	R253, 276	340X3274-944	270k Ohm, 10%, 1/2W
C231	349X1042-109	0.1 μF, 10%, 100V, Mylar	·		
C232	45X0524-026	22 μF, 100V, Electrolytic	R254	340X3562-944	5.6k Ohm; 10%, 1/2W
C233	349X4742-109	.47 μF, 10%, 100V, Mylar	R258	340X3154-944	150k Ohm, 10%, 1/2W
			R259	340X3392-934	3.9k Ohm, 5%, 1/2W
C234	45X0524-025	250 μF, 100V, Electrolytic	★R261	340X5150-843	15 Ohm, 10%, 2.0W
C235	80X0099-006	470 pF, 10%, Z5F, Cer. Disc.	R262	340X3824-934	820K Ohm, 5%, 1/2W
C236	349X2242-109	.22 μF, 10%, 100V, Mylar	R265	340X3185-944	1.8M Ohm, 10%, 1/2W
C237	46X0540-001	.47 μF, 10%, 630V, Polyester Film			1 Ohm, 5%, 1/2W
			R267, 268	340X3010-9 3 4	
	CC	ONTROLS	R269	340X4392-843	3.9K Ohm, 10%, 1/2W
			R270	340X3471-934	470 Ohm, 5%, 1/2W
P208 258	4020502-008	Ek Ohm Vidoo Output Size	R272	340X3475-944	4.7M Ohm, 10%, 1/2W
R206, 256	40X0592-008	5k Ohm, Video Output, Size	R272	340X 3 475-944	4.7M Ohm, 10%, 1/2W
R212	40X0585-093	2.5k Ohm, Reg. Adj.	R272 R273	340X3475-944 340X3155-944	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W
R212 R257		2.5k Ohm, Reg. Adj	R272 R273 ★R274	340X3475-944 340X3155-944 340X4473-843	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W
R212	40X0585-093	2.5k Ohm, Reg. Adj.	R272 R273	340X3475-944 340X3155-944	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W
R212 R257 R263	40X0585-093 40X0592-012 40X0592-004	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2	R272 R273 ★R274	340X3475-944 340X3155-944 340X4473-843 340X3039-934	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W
R212 R257	40X0585-093 40X0592-012 40X0592-004 40X0585-094	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus	R272 R273 ★R274 R277	340X3475-944 340X3155-944 340X4473-843	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W
R212 R257 R263	40X0585-093 40X0592-012 40X0592-004 40X0585-094	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus	R272 R273 ★R274 R277	340X3475-944 340X3155-944 340X4473-843 340X3039-934	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W
R212 R257 R263	40X0585-093 40X0592-012 40X0592-004 40X0585-094	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2	R272 R273 ★R274 R277	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W
R212 R257 R263 R271	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS &	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS	R272 R273 ★R274 R277	340X3475-944 340X3155-944 340X4473-843 340X3039-934	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W
R212 R257 R263 R271	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc.	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W PUCTORS
R212 R257 R263 R271 ★L201 ★L202	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin.	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIOCECTORS Diode, Silicon FDH444 Diode, Dual, MSD6102
R212 R257 R263 R271	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc.	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W PUCTORS
R212 R257 R263 R271 ★L201 ★L202	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2789-001 52X0126-001	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205,	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001 66X0054-002	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF
R212 R257 R263 R271 ★L201 ★L202	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2789-001 52X0126-001	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin.	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001 66X0054-002 86X0113-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904
R212 R257 R263 R271 ★L201 ★L202	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2789-001 52X0126-001	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906
R212 R257 R263 R271 ★L201 ★L202 ★T201	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208 Q203	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0115-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W UCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) D40P3
R212 R257 R263 R271 ★L201 ★L202 ★T201	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906
R212 R257 R263 R271 ★L201 ★L202 ★T201	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208 Q203	340X3475-944 340X3155-944 340X4473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0115-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20
R212 R257 R263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237,	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q203 Q204, 212 Q207, 211	340X3475-944 340X3155-944 340X3473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0115-001 86X0071-001 86X0068-002	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20
R212 R257 R263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3563-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208 Q203 Q204, 212	340X3475-944 340X3155-944 340X3475-944 340X4473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0115-001 86X0071-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIODERS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN)
R212 R257 R263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237,	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208 Q203 Q203 Q204, 212 Q207, 211 Q209	340X3475-944 340X3155-944 340X3473-843 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001 86X0115-001 86X0071-001 86X0058-002 86X0116-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557
R212 R257 R263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3563-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210	340X3475-944 340X3155-944 340X3155-944 340X3039-934 SEMICOND 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0115-001 86X0071-001 86X0058-002 86X0116-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIODES Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70
R212 R257 R263 R271 *L201 *L202 *T201 R201 R202 R203, 237, 240 *R204 R205, 223,	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213	340X3475-944 340X3155-944 340X3155-944 340X3039-934 SEMICOND 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001 86X0066-001 86X0066-001 86X0066-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) D40P3 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56
R212 R257 R263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 340X3332-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214	340X3475-944 340X3155-944 340X3155-944 340X3473-843 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001 86X0066-001 86X0073-001 86X0073-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W UCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSA56 Transistor (NPN) MPSA56 Transistor (NPN) MPSA56
R212 R257 R263 R271 *L201 *L202 *T201 R201 R202 R203, 237, 240 *R204 R205, 223, 260 R207	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3332-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215	340X3475-944 340X3155-944 340X3155-944 340X3473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001 86X0071-001 86X0073-001 86X0073-001 86X0073-001 86X0074-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W PUCTORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192
R212 R257 R263 R271 ★L201 ★L202 ★T201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 340X3332-944 340X3472-944 340X7752-733	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D208 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214	340X3475-944 340X3155-944 340X3155-944 340X3473-843 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001 86X0066-001 86X0073-001 86X0073-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIODERS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195
R212 R257 R263 R271 ★L201 ★L202 ★T201 #R202 R203, 237, 240 #R204 R205, 223, 260 R207 ★R208 R209	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3471-944 340X3471-944 340X3472-944 340X3472-944 340X3472-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q201, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216	340X3475-944 340X3155-944 340X3155-944 340X3473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001 86X0113-001 86X0115-001 86X0071-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIODERS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195
R212 R257 R263 R271 ★L201 ★L202 ★T201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 340X3332-944 340X3472-944 340X7752-733	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3475-944 340X3475-944 340X3475-944 340X3039-934 SEMICOND 66X0046-001 66X0066-001 86X0113-001 86X0114-001 86X0115-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (PNP) MPSA59 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (PNP) MPSU07 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195
R212 R257 R263 R271 ★L201 ★L202 ★T201 #R202 R203, 237, 240 #R204 R205, 223, 260 R207 ★R208 R209	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3471-944 340X3471-944 340X3472-944 340X3472-944 340X3472-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q201, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216	340X3475-944 340X3155-944 340X3155-944 340X3473-843 340X3039-934 SEMICOND 66X0046-001 66X0066-001 86X0113-001 86X0115-001 86X0071-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIODERS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195
R212 R257 R263 R271 *L201 *L202 *T201 *R201 R202 R203, 237, 240 *R204 R205, 223, 260 R207 *R208 R209 R210 R211, 242,	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2788-001 9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X3472-944 340X3560-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3475-944 340X3475-944 340X3475-944 340X3039-934 SEMICOND 66X0046-001 66X0066-001 86X0113-001 86X0114-001 86X0115-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (PNP) MPSA59 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (PNP) MPSU07 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195
R212 R257 R263 R271 ★L201 ★L202 ★T201 **R202 R203, 237, 240 **R204 R205, 223, 260 R207 **R208 R207 **R208 R209 R210 R211, 242, 255	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X3472-944 340X3560-944 340X3560-944 340X3432-934	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4.7sk Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3475-944 340X3475-944 340X3475-944 340X3039-934 SEMICOND 66X0046-001 66X0066-001 86X0113-001 86X0114-001 86X0115-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (PNP) MPSA59 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (PNP) MPSU07 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195
R212 R257 R263 R271 ★L201 ★L202 ★T201 **R204 R203, 237, 240 **R204 R205, 223, 260 R207 **R208 R209 R210 R211, 242, 255 R213	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X3752-733 340X3121-944 340X3560-944 340X3560-944 340X3432-934 43X0467-001	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3475-944 340X3475-944 340X3475-944 340X3039-934 SEMICOND 66X0046-001 66X0066-001 86X0113-001 86X0114-001 86X0115-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) MPSA06 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (PNP) MPSA56 Transistor (PNP) MPSA59 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (PNP) MPSU07 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195
R212 R257 R263 R271 ★L201 ★L202 ★T201 ***R202 R203, 237, 240 ***R204 R205, 223, 260 R207 ***R208 R209 R210 R211, 242, 255 R213 R214	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-843 340X3332-844 340X3472-944 340X3560-944 340X3560-944 340X3560-944 340X3512-934	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 1.7k Ohm, 10%, 1/2W 1.7k Ohm, 10%, 1/2W 1.7k Ohm, 10%, 1/2W 1.7k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3155-944 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001 86X0075-001 86X0070-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIOCEORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA5192 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (P.U.T.) MPU131 Diode, Zener 31V
R212 R257 R263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242, 255 R213 R214 R215	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X3121-944 340X3560-944 340X3432-934 43X0467-001 340X3512-934 340X3153-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3475-944 340X3475-944 340X3475-944 340X3039-934 SEMICOND 66X0046-001 66X0066-001 86X0113-001 86X0114-001 86X0115-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIOCEORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA5192 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (P.U.T.) MPU131 Diode, Zener 31V
R212 R257 R263 R271 ★L201 ★L202 ★T201 **R204 R203, 237, 240 **R204 R205, 223, 260 R207 **R208 R209 R210 R211, 242, 255 R213 R214 R215 **R216	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-843 340X3332-844 340X3472-944 340X3560-944 340X3560-944 340X3560-944 340X3512-934	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 4.0W 1400 Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3155-944 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001 86X0075-001 86X0070-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIOCEORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA5192 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (P.U.T.) MPU131 Diode, Zener 31V
R212 R257 R263 R271 ★L201 ★L202 ★T201 R201 R202 R203, 237, 240 ★R204 R205, 223, 260 R207 ★R208 R209 R210 R211, 242, 255 R213 R214 R215	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X3472-944 340X3472-944 340X3121-944 340X3560-944 340X3432-934 43X0467-001 340X3512-934 340X3153-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 4.0W 1400 Ohm, 5%, 4.0W 15k Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3155-944 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001 86X0075-001 86X0070-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIOCEORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA5192 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (P.U.T.) MPU131 Diode, Zener 31V
R212 R257 R263 R271 ★L201 ★L202 ★T201 ***R204 R203, 237, 240 ***R204 R205, 223, 260 R207 ***R208 R209 R210 R211, 242, 255 R213 R214 R215 ***R216 R217	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3471-944 340X3471-944 340X3472-944 340X3472-944 340X3472-944 340X3560-944 340X3560-944 340X3512-934 340X3512-934 340X3512-934 340X3512-934 340X3535-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 56k Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 4.7k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 4.0W 15k Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3155-944 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001 86X0075-001 86X0070-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIOCEORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA5192 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (P.U.T.) MPU131 Diode, Zener 31V
R212 R257 R263 R271 ★L201 ★L202 ★T201 **R204 R203, 237, 240 **R204 R205, 223, 260 R207 **R208 R209 R210 R211, 242, 255 R213 R214 R215 **R216	40X0585-093 40X0592-012 40X0592-004 40X0585-094 COILS & 9A2768-001 9A2769-001 52X0126-001 R 340X3102-954 340X3471-944 340X3471-944 340X3472-944 340X3472-944 340X3472-944 340X3560-944 340X3560-944 340X3560-944 340X35121-944 340X35121-944 340X35121-944 340X35121-944	2.5k Ohm, Reg. Adj. 1.0 Meg. Lin 1 500k Ohm, Lin 2 2M Ohm, Focus TRANSFORMERS Horiz. Osc. Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 56k Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 4.7k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W 15ok Ohm, 10%, 1/2W 20 Ohm, 10%, 1/2W 220 Ohm, 10%, 1/2W	R272 R273 ★R274 R277 D201, 202, 203, 204, 207, 208 D205A, 205B D206 Q201, 205, 208 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	340X3475-944 340X3155-944 340X3155-944 340X3039-934 SEMICOND 66X0046-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0068-002 86X0116-001 86X0072-001 86X0073-001 86X0073-001 86X0075-001 86X0075-001 86X0070-001	4.7M Ohm, 10%, 1/2W 1.5M Ohm, 10%, 1/2W 47k Ohm, 10%, 1.0W 3.9 Ohm, 5%, 1/2W DIOCEORS Diode, Silicon FDH444 Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) D40P3 Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (NPN) MPSA20 Transistor (PNP) MPSA70 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (PNP) MPSA5192 Transistor (PNP) 2N5192 Transistor (PNP) 2N5195 Transistor (P.U.T.) MPU131 Diode, Zener 31V

[★] Safety Critical Part Replace With Same Type Part Shown

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